



Test Report

No. SL921092025124FW

Date: Mar 27, 2021

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DONGGUAN DOB PROMOTIONAL PRODUCTS TS CO., LTD
NO.78, 3F 31 BLDG, LINGAN STR, LIAOBU TOWN, DONGGUAN,
GUANGDONG

OVERALL EVALUATION		
	Baby	Non-Baby
PASS	✓	✓
FAIL		

Buyer:	DOB		
Material Supplier:	Tongchang		
Finish Product Manufacturer:	Zhangshan Baoda Shoes Co., Ltd		
Samples Name/Description:	Polyester Jersey		
Material Composition:	Polyester		
Material ID:	--		
Style No./Style Name:	--		
Color:	(A)Blue (B)Yellow(C) Red		
Season:	F17		
Stage:	Development		
End Use:	Footwear		
Material Classification:	Synthetic Fabric		
Test Type:	☒ New Material (Full Items Test); ☐ Renew Test (Full Items Test); ☐ Specified Request; ☐ Production Random Test (Incoming date: <u>yyyymmdd</u>) ☐ Production Random Check (Incoming date: <u>yyyymmdd</u>) ☐ ^ Retest (Previous Report No: <u> </u>)		
Sample Receiving Date:	Mar 20, 2017	Report Issuing Date:	Mar 20, 2017 ~ Mar 27, 2017

SUMMARY			
Test Requested	Conclusion		Remarks
	Baby	Non-Baby	
Formaldehyde	Pass	Pass	
pH (Textile)	Pass	Pass	
Alkylphenols (AP) & Alkylphenol Ethoxylates (APEO)	Pass	Pass	
Azo Dyes	Pass	Pass	
Allergenic Disperse Dyes	Pass	Pass	
Carcinogenic Dyes	Pass	Pass	

Signed for and on behalf of
SGS-CSTC Standards Technical Services Co., Ltd. Guangzhou Branch

Ivan Xie
Technical Manager



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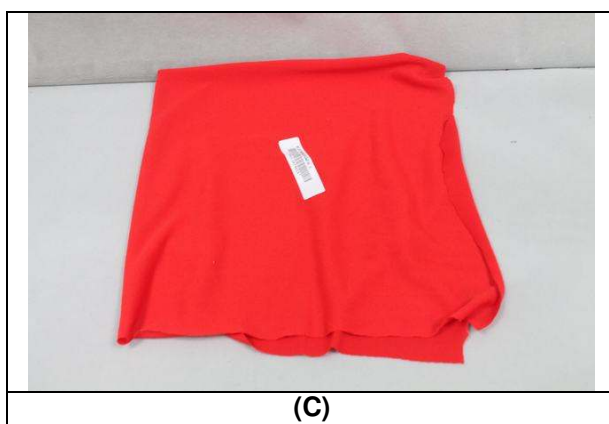
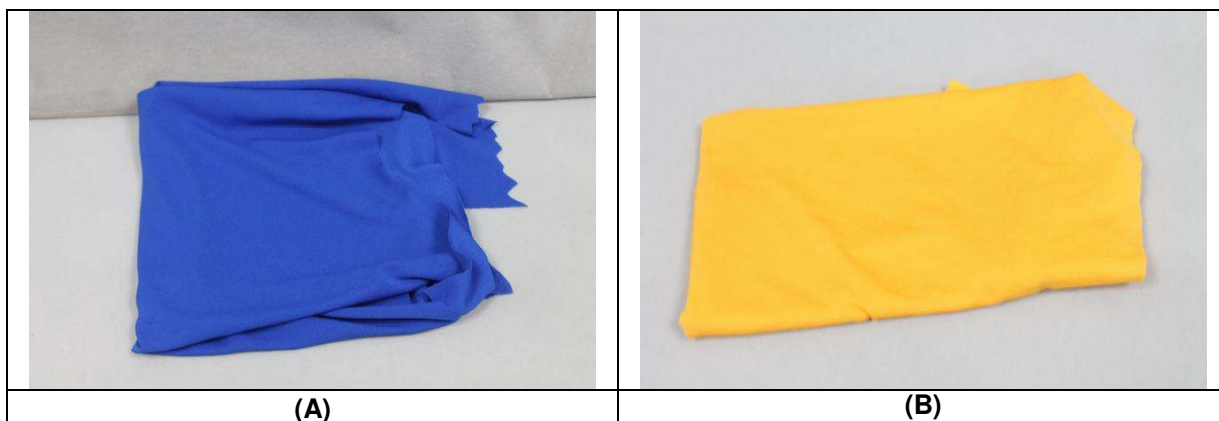
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TEST REPORT – PICTURE PAGE

Samples



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List of Materials/Components:

Sample No.	Color	Material/Component description
A	Blue	Polyester Jersey
B	Yellow	Polyester Jersey
C	Red	Polyester Jersey

Detail of Test result(s):

Formaldehyde

Test Method: With reference to ISO 14184-1. Analysis was conducted by UV-VIS spectrophotometer.

	CAS-No.	Result
Formaldehyde	50-00-0	n.d.
Conclusion for Baby	--	PASS
Conclusion for Non-Baby	--	PASS

Note: n.d. = not detected
mg/kg = ppm
Detection limit = 16 mg/kg

Client's Requirement:

Baby(0-36 months)

16 mg/kg

Non-Baby

75 mg/kg

vulcanized rubber shoes

150 mg/kg



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pH (Textile)

Test Method: According to ISO 3071:2005

	CAS-No.	Result		
		A	B	C
pH value	--	6.5	6.3	6.3
Conclusion for Baby	--	PASS	PASS	PASS
Conclusion for Non-Baby	--	PASS	PASS	PASS

Note: Extraction medium KCl solution
pH value of extraction medium 5.0 – 7.5
Temperature of the extraction solution 22±2 °C

Client's Requirement:

Baby(0-36 months): 4.0 - 7.5

Non-Baby

-W/ direct skin: 4.0 - 8.5

-W/O direct skin: 4.0 - 9.0

Alkylphenols (AP) & Alkylphenol Ethoxylates (APEO)

Test Method: In-house method- Solvent extraction, GC-MS & LC-MS analysis.

	CAS-No.	Result
		A+B+C
Nonylphenol (NP)	25154-52-3	n.d.
Octylphenol (OP)	27193-28-8	n.d.
Nonylphenol Ethoxylate (NPEO)	9016-45-9	n.d.
Octylphenol Ethoxylate (OPEO)	9002-93-1	n.d.
Sum of APs And APEOs	--	n.d.
Conclusion	--	PASS

Note: n.d. = not detected
mg/kg = ppm
Detection Limit = 100 mg/kg (each)
Client's Requirement: 500 mg/kg (Sum)



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Azo Dyes

Test Method: All Textile: According to EN 14362-1:2012 – Analysis was conducted with GC-MS/HPLC-DAD. Determination of 4-aminoazobenzene (CAS No.:60-09-3) – EN 14362-3:2012; with the use of Gas Chromatography – Mass Spectrometry (GC-MS).

		Result
	CAS-No.	A+B+C
4-Aminobiphenyl	92-67-1	n.d.
Benzidine	92-87-5	n.d.
4-Chlor-o-toluidine	95-69-2	n.d.
2-Naphthylamine	91-59-8	n.d.
o-Aminoazotoluene	97-56-3	n.d.
5-nitro-o-toluidine / 2-Amino-4-nitrotoluene	99-55-8	n.d.
4-Chloroaniline	106-47-8	n.d.
4-methoxy-m-phenylenediamine / 2,4-Diaminoanisole	615-05-4	n.d.
4,4'-Diaminodiphenylmethane	101-77-9	n.d.
3,3'-Dichlorobenzidine	91-94-1	n.d.
3,3'-Dimethoxybenzidine	119-90-4	n.d.
3,3'-Dimethylbenzidine	119-93-7	n.d.
4,4'-methylenedi-o-toluidine / 3,3'-Dimethyl-4,4'-diaminodiphenylmethane	838-88-0	n.d.
p-Cresidine	120-71-8	n.d.
4,4'-Methylene-bis-(2-chloroaniline)	101-14-4	n.d.
4,4'-Oxydianiline	101-80-4	n.d.
4,4'-Thiodianiline	139-65-1	n.d.
o-Toluidine	95-53-4	n.d.
4-methyl-m-phenylenediamine / 2,4-Toluyldiamine	95-80-7	n.d.
2,4,5-Trimethylaniline	137-17-7	n.d.
4-aminoazobenzene	60-09-3	n.d.
O-Anisidine	90-04-0	n.d.
2,6-Xylidine	87-62-7	n.d.
2,4-Xylidine	95-68-1	n.d.
Conclusion	--	PASS

Note: n.d. = not detected

mg/kg = ppm

Detection Limit = 5 mg/kg (for individual compound)

Client Requirement: 20 mg/kg (for individual compound)



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Remark: Test was conducted on composite of the item as per client's request and the test result is the overall result.

Whenever 4-aminodiphenyl (CAS number 92-67-1), 2-naphylamine (CAS number 91-59-8) and 4-methoxy-m-phenylene-diamine (CAS number 615-05-4) is found, the use of banned azo colorants cannot be reliably ascertained without additional information, e.g. the chemical structure of the colorants used.

In case polyurethane materials are used, e.g. PU foams and coatings and in prints, it cannot be ruled out that certain amines, e.g. 4,4'-methylene-dianiline (MDA, CAS number 101-77-9) and 2,4-toluylen-diamine (TDA, CAS number 95-80-7) are released from the PU component and not from a banned azo colorant.

In case of pigment prints care has to be taken that 4,4'-methylene-dianiline (MDA, CAS number 101-77-9) is not released from a source of banned azo colorants but from e.g. a chemical fixing agent.

The EN 14362-1:2012 methods will enable further cleavage of 4-aminoazobenzene to non-forbidden amines: aniline and 1,4-phenylenediamine. If aniline and/or 1,4-phenylenediamine is not found (i.e. 5mg/kg) by mentioned test method, test result for 4-aminoazobenzene (CAS no. 60-09-3) is considered as "not detected" (i.e. <5mg/kg). Otherwise, the test method of EN 14362-3:2012 will be employed to verify the presence of 4-aminoazobenzene.



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Allergenic Disperse Dyes and other concerned dyes

Test Method: With reference to DIN 54231:2005 – Analysis was conducted with HPLC-DAD-MSD.

	CAS-No.	Result A+B+C
C.I. Disperse Blue 1	2475-45-8	n.d.
C.I. Disperse Blue 35	12222-75-2	n.d.
C.I. Disperse Blue 106	12223-01-7	n.d.
C.I. Disperse Blue 124	61951-51-7	n.d.
C.I. Disperse Orange 3	730-40-5	n.d.
C.I. Disperse Orange 37/76/59	12223-33-5 / 13301-61-6 / 51811-42-8	n.d.
C.I. Disperse Red 1	2872-52-8	n.d.
C.I. Disperse Yellow 3	2832-40-8	n.d.
C.I. Disperse Yellow 23	6250-23-3	n.d.
C.I. Disperse Blue 3	2475-46-9	n.d.
C.I. Disperse Blue 7	3179-90-6	n.d.
C.I. Disperse Blue 26	3860-63-7	n.d.
C.I. Disperse Blue 102	12222-97-8	n.d.
C.I. Disperse Brown 1	23355-64-8	n.d.
C.I. Disperse Orange 1	2581-69-3	n.d.
C.I. Disperse Orange 149	85136-74-9	n.d.
C.I. Disperse Red 11	2872-48-2	n.d.
C.I. Disperse Red 17	3179-89-3	n.d.
C.I. Disperse Yellow 1	119-15-3	n.d.
C.I. Disperse Yellow 9	6373-73-5	n.d.
C.I. Disperse Yellow 39	12236-29-2	n.d.
C.I. Disperse Yellow 49	54824-37-2	n.d.
Conclusion	--	PASS

Note: n.d. = not detected
mg/kg = ppm
Detection Limit = 1 mg/L (for individual compound)

Client's Requirement: 5 mg/L (for individual compound)



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Carcinogenic Dyes

Test Method: With reference to DIN 54231:2005 – Analysis was conducted with HPLC-DAD-MSD. Acid digestion followed by analysis with ICP-MS and UV-VIS for C.I. pigments.

		Result (mg/L)
	CAS-No.	A+B+C
C.I. Acid Red 26	3761-53-3	n.d.
C.I. Basic Red 9	569-61-9	n.d.
C.I. Basic Violet 14	632-99-5	n.d.
C.I. Direct Black 38	1937-37-7	n.d.
C.I. Direct Blue 6	2602-46-2	n.d.
C.I. Direct Red 28	573-58-0	n.d.
C.I. Disperse Blue 1	2475-45-8	n.d.
C.I. Disperse Orange 11	82-28-0	n.d.
C.I. Disperse Yellow 3	2832-40-8	n.d.
Conclusion	--	PASS

Note: n.d. = not detected
Detection Limit = 1 mg/L (for individual compound)
Client's Requirement: Not Detected

End of Report



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